Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/21/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124223	-1	1.15	124077	1.15
Blue	F	SSC	125000	123910	-1	2.24	124207	2.12
Blue	E	FITC	13131	12671	-4	2.26	293	15.19
Blue	D	PE	24112	23672	-2	1.67	542	10.95
Blue	B	PerCP-Cy5-5	31295	30593	-3	3.02	1011	14.68
Blue	A	PE-Cy7	19939	19504	-3	5.35	519	29.41
Red	C	APC	42122	41685	-2	2.87	1749	11.27
Red	A	APC-Cy7	22340	21720	-3	3.26	812	11.46
Violet	B	V450	7410	7133	-4	3.64	432	12.45
Violet	A	V500	28118	27018	-4	3.22	674	9.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23001	1.02	569	0	N/A	N/A	Pass
Blue	F	SSC	57714	1.07	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0462	160	Pass
Blue	D	PE	114	38.92	490	2	0.4440	405	Pass
Blue	B	PerCP-Cy5-5	187	36.22	586	0	0.0194	61	Pass
Blue	A	PE-Cy7	102	70.01	628	0	0.0219	5	Pass
Red	C	APC	406	24.26	578	2	0.0292	262	Pass
Red	A	APC-Cy7	181	28.24	552	1	0.0068	1653	Pass
Violet	B	V450	61	63.54	454	1	0.0682	2688	Pass
Violet	A	V500	97	34.98	465	0	0.0287	1159	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/21/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.36	1.10
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.15	13.60 - 20.40	N/A	N/A	29.78	30.03	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10301

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments